

Serial Number:

09/965528

2090

1017

Changed a file from non-ASCII to ASCII

Changed the margins in cases where the sequence text was "wrapped" down to the next line

Edited a formal error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number input applicant was the prior application data; or other _____

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

~~ENTERED~~

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included:

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename a page numbers throughout text; other invalid text, such as _____

Inserted mandatory headings, specifically:

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field according due to a PatentIn bug). Sequences corrected: _____

Other:

I inserted left align margin between sequence of 150 and 151 field identifiers.

Examiner: The above corrections must be communicated to the applicant in the first Action. DO NOT send a copy of this form.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/965,528

DATE: 11/14/2001
TIME: 10:43:57

Input Set : A:\PTO.MH.BS.JM.txt
Output Set: N:\CRF3\11142001\I965528.raw

2

2 <110> APPLICANT: INCYTE GENOMICS, INC.
3 TANG, Y. Tom
4 YUE, Henry
5 LAL, Preeti
6 BURFORD, Neil
7 BANDMAN, Olga
8 BAUGHN, Mariah R.
9 AZIMZAI, Yalda
10 LU, Dyung Aina M.
11 PATTERSON, Chandra

W--> 12 <120> TITLE OF INVENTION: EXTRACELLULAR SIGNALING MOLECULES
W--> 13 <130> FILE REFERENCE: PF-0701 USA
W--> 14 <140> CURRENT APPLICATION NUMBER: To Be Assigned
C--> 15 <141> CURRENT FILING DATE: 2001-09-26
16 <150> PRIOR APPLICATION NUMBER: 60/134,949
17 <151> PRIOR FILING DATE: 1999-05-19
18 <150> PRIOR APPLICATION NUMBER: 60/144,270
19 <151> PRIOR FILING DATE: 1999-07-15
20 <150> PRIOR APPLICATION NUMBER: 60/146,700
21 <151> PRIOR FILING DATE: 1999-07-30
22 <150> PRIOR APPLICATION NUMBER: 60/157,508
23 <151> PRIOR FILING DATE: 1999-10-04

W--> 24 <160> NUMBER OF SEQ ID: 55
25 <170> SOFTWARE: PERL Program

W--> 26 <210> SEQ ID NO: 1
27 <211> LENGTH: 77
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens

W--> 30 <220> FEATURE:
31 <221> NAME/KEY: misc_feature
32 <223> OTHER INFORMATION: Incyte ID No: 1288847CD1

W--> 33 <400> SEQUENCE: 1

34 Met Gly Lys Glu Trp Val Lys Ile Leu Leu Phe Leu Leu His Leu
35 1 5 10 15
36 Ser Asn Phe Phe Thr Ile Val Thr Phe Leu Gly Ser Gln Gly Leu
37 20 25 30
38 Leu Gln Ser Pro Ser Tyr Glu Lys Leu Val Gly Cys Cys Leu Met
39 35 40 45
40 Thr Arg Gly Cys Phe Ser Pro Ser Val Met Leu Pro Ser Ala Ala
41 50 55 60
42 Pro Ser Gln Gln Asp Ser Pro Ser His Ser Arg Ala Pro Gly Pro
43 65 70 75
44 Cys Ser
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 88
48 <212> TYPE: PRT
49 <213> ORGANISM: Homo sapiens

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/965,528

DATE: 11/14/2001
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Input Set : A:\PTO.MH.BS.JM.txt
Output Set: N:\CRF3\11142001\I965528.raw

W--> 50 <220> FEATURE:

51 <221> NAME/KEY: misc_feature
52 <223> OTHER INFORMATION: Incyte ID No: 1329044CD1

W--> 53 <400> SEQUENCE: 2

54 Met Lys Thr Pro Asn Asp Leu Phe Leu Arg Gln Leu Gly Tyr Leu
55 1 5 10 15
56 Ser Ile Cys Cys Phe Val Phe Ser Ser Glu Glu Ser Lys Asn Tyr
57 20 25 30
58 Lys Ile Ser Leu Ile Val Tyr Leu Thr Phe Leu Thr Met Glu Thr
59 35 40 45
60 Lys Pro Arg Asn Ser Ile Tyr Ser Val Leu Thr Gln Ser Thr His
61 50 55 60
62 Pro Asp Phe Glu Ser Pro Arg Thr Gly Val Pro Asn Pro Arg Ala
63 65 70 75
64 Glu Asp Gln Tyr Gln Phe Glu Ala Tyr Tyr Arg Val Thr
65 80 85

66 <210> SEQ ID NO: 3

67 <211> LENGTH: 96

68 <212> TYPE: PRT

69 <213> ORGANISM: Homo sapiens

W--> 70 <220> FEATURE:

71 <221> NAME/KEY: misc_feature
72 <223> OTHER INFORMATION: Incyte ID No: 1493630CD1

W--> 73 <400> SEQUENCE: 3

74 Met Ser Met Gln Phe Leu Phe Lys Met Val Ala Leu Cys Cys Cys
75 1 5 10 15
76 Leu Trp Lys Ile Ser Gly Cys Glu Glu Val Pro Leu Thr Tyr Asn
77 20 25 30
78 Leu Leu Lys Cys Leu Leu Asp Lys Ala His Cys Val Leu Leu Thr
79 35 40 45
80 Pro Cys Gly Tyr Ile Phe Ser Leu Ile Ser Pro Glu Ile Leu Lys
81 50 55 60
82 Leu Thr Leu Ile Thr Leu Gln Ile Leu Leu Ile Leu Lys Asn Leu
83 65 70 75
84 His Leu Leu Trp Leu Thr Val Ser Ser Arg Cys Val His Arg Ser
85 80 85 90

86 Ser Ala Arg Lys Glu Lys

87 95

88 <210> SEQ ID NO: 4

89 <211> LENGTH: 104

90 <212> TYPE: PRT

91 <213> ORGANISM: Homo sapiens

W--> 92 <220> FEATURE:

93 <221> NAME/KEY: misc_feature
94 <223> OTHER INFORMATION: Incyte ID No: 1533041CD1

W--> 95 <400> SEQUENCE: 4

96 Met Arg Leu Ser Leu Pro Leu Gly Ser Leu Leu Trp Pro Phe Leu
97 1 5 10 15
98 Val Cys Gly Cys Leu Leu Gln Val Ala Leu Cys Gln Thr Arg Ser

RAW SEQUENCE LISTING
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Input Set : A:\PTO.MH.BS.JM.txt
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99	20	25	30
100	Ala Pro His Leu Asp Thr His Ser Pro Val Ala Phe Gln Cys Ser		
101	35	40	45
102	Gly Arg Lys Pro Val Ser Leu Asp Val Lys Leu Thr Leu Met Gly		
103	50	55	60
104	Trp Gly Arg Gly Leu Gly Arg Arg Gly Gly Arg Gly Glu Gly Thr		
105	65	70	75
106	Glu Leu Arg Ile Ser Trp Ser Ala Leu Gln Ala Gln Arg Arg Ser		
107	80	85	90
108	Ala Lys Val Leu Asn Arg Phe Ser Leu Glu Ile Lys Asn Pro		
109	95	100	

110 <210> SEQ ID NO: 5

111 <211> LENGTH: 60

112 <212> TYPE: PRT

113 <213> ORGANISM: Homo sapiens

W--> 114 <220> FEATURE:

115 <221> NAME/KEY: misc_feature

116 <223> OTHER INFORMATION: Incyte ID No: 1566162CD1

W--> 117 <400> SEQUENCE: 5

118	Met Leu Met Phe Ile Lys Gly Leu Ser Ser Thr Leu Phe Leu Gly		
119	1 5	10	15
120	Ser Thr Leu Ser His Arg Asp Pro Ile Cys Phe Tyr Ser Phe His		
121	20 25		30
122	Phe His Leu Tyr Leu Leu Pro His Ala Val Ser Pro Val Thr Asn		
123	35 40		45
124	Ser Ile Tyr Asn Tyr Leu Leu Gly Leu Tyr Leu Asp Thr Cys Thr		
125	50 55		60

126 <210> SEQ ID NO: 6

127 <211> LENGTH: 117

128 <212> TYPE: PRT

129 <213> ORGANISM: Homo sapiens

W--> 130 <220> FEATURE:

131 <221> NAME/KEY: misc_feature

132 <223> OTHER INFORMATION: Incyte ID No: 1811831CD1

W--> 133 <400> SEQUENCE: 6

134	Met Pro Lys Ser Gln Ser His His Leu Thr Gln Leu Gln Leu Leu		
135	1 5	10	15
136	Pro Ser Cys Leu Leu Gly Leu Leu Pro Pro Val Pro Ala Val His		
137	20 25		30
138	Ala Tyr Ile Leu Gln Gly Cys Val Leu Ser Gly Arg Glu Ile Phe		
139	35 40		45
140	Phe Ser Val Leu Gln Phe Phe Thr Gln Thr Phe Ser Phe Val Val		
141	50 55		60
142	Pro Val Phe Pro Ser Phe Pro Gly Gly Phe Arg Leu Pro Phe Ser		
143	65 70		75
144	Ser Pro Trp Leu Ser Leu Cys Pro Ile His Arg Ser Thr Leu Gln		
145	80 85		90
146	Ala Cys Leu Tyr Glu Arg Gly Leu Phe Leu Cys Arg Lys Leu Thr		
147	95 100		105

RAW SEQUENCE LISTING
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Input Set : A:\PTO.MH.BS.JM.txt
Output Set: N:\CRF3\11142001\I965528.raw

148 Leu Thr Arg Cys Gly Cys Ser Tyr Thr Asp Leu Ile
149 110 115
150 <210> SEQ ID NO: 7
151 <211> LENGTH: 86
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
W--> 154 <220> FEATURE:
155 <221> NAME/KEY: misc_feature
156 <223> OTHER INFORMATION: Incyte ID No: 1835447CD1
W--> 157 <400> SEQUENCE: 7
158 Met Arg Ala Lys Gly Phe Leu Ala Pro Ser Leu Val Leu Ala Val
159 1 5 10 15
160 Ser Leu Glu Leu Met His Pro Asp Ala Asn Ser Pro Ser Glu Cys
161 20 25 30
162 Arg Gly Asp Glu Thr Leu Thr Gly Gln Phe Asn Leu Tyr Met Gly
163 35 40 45
164 Asp Lys Leu Glu Gly Lys Thr Asn Gly Arg Arg Val Lys Arg Lys
165 50 55 60
166 Leu Asn Tyr Cys Ala Asn Thr Arg His Ser Asn Pro Gly Gly Tyr
167 65 70 75
168 Cys Arg Val Asn Asn Asp Arg Tyr Tyr Phe Val
169 80 85
170 <210> SEQ ID NO: 8
171 <211> LENGTH: 109
172 <212> TYPE: PRT
173 <213> ORGANISM: Homo sapiens
W--> 174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <223> OTHER INFORMATION: Incyte ID No: 3892281CD1
W--> 177 <400> SEQUENCE: 8
178 Met Arg Cys Arg Leu Leu Ala Gly Ala Leu Val Leu Leu His Leu
179 1 5 10 15
180 Arg Leu Ser Ile Trp Leu Leu Gly Leu Pro His Ser Met Ala Asp
181 20 25 30
182 Gly Leu Arg Glu Gly Ala Phe Pro Asn Lys Gly Pro His Lys Leu
183 35 40 45
184 Asp Leu Trp Arg Ala Ser Leu Arg Ser His Pro Val Ser His Gly
185 50 55 60
186 Pro His Phe Ile Gly Tyr Arg Ala Ser Gln Phe Glu Gly Glu Glu
187 65 70 75
188 Lys Tyr Val Ala Val Tyr Ala Val Ser Ser Ala Ser Leu Leu Pro
189 80 85 90
190 Ala Leu Pro Val Pro Val Leu Arg Ala Ala Leu Ala Glu Gln Met
191 95 100 105
192 Tyr Leu Leu Ser
194 <210> SEQ ID NO: 9
195 <211> LENGTH: 111
196 <212> TYPE: PRT
197 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/965,528

DATE: 11/14/2001
TIME: 10:43:57

Input Set : A:\PTO.MH.BS.JM.txt
Output Set: N:\CRF3\11142001\I965528.raw

W--> 198 <220> FEATURE:
199 <221> NAME/KEY: misc_feature
200 <223> OTHER INFORMATION: Incyte ID No: 4318494CD1
W--> 201 <400> SEQUENCE: 9
202 Met Arg Ser Pro Ser Phe Pro Phe Thr Leu Leu Ser Gly Leu Pro
203 1 5 10 15
204 Gly Pro Gly Phe Ser Gln Leu Cys Val Arg Val Ser Gln Val Ser
205 20 25 30
206 Arg Asn Pro Met Arg Ser Glu Gly Cys Phe Gly Leu Leu Lys Ser
207 35 40 45
208 Val Gln Asp Asn Pro Ala Ser Ala Leu Glu Leu Leu Asp Phe Ser
209 50 55 60
210 Asp Ile Gln Val Asn Ala Glu Phe Asp Gly Leu Ala Ser Ser Val
211 65 70 75
212 Arg Gly Ile Leu Pro Glu Leu Cys Ile Lys Thr Gly Ala Cys Arg
213 80 85 90
214 Val Glu Tyr Lys Lys Glu Leu Leu Pro Val Phe Arg Ser Ala Leu
215 95 100 105
216 Pro Ala Ser Val Pro Lys
217 110
218 <210> SEQ ID NO: 10
219 <211> LENGTH: 182
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
W--> 222 <220> FEATURE:
223 <221> NAME/KEY: misc_feature
224 <223> OTHER INFORMATION: Incyte ID No: 5090841CD1
W--> 225 <400> SEQUENCE: 10
226 Met Glu Pro Gln Leu Gly Pro Glu Ala Ala Ala Leu Arg Pro Gly
227 1 5 10 15
228 Trp Leu Ala Leu Leu Trp Val Ser Ala Leu Ser Cys Ser Phe
229 20 25 30
230 Ser Leu Pro Ala Ser Ser Leu Ser Ser Leu Val Pro Gln Val Arg
231 35 40 45
232 Thr Ser Tyr Asn Phe Gly Arg Thr Phe Leu Gly Leu Asp Lys Cys
233 50 55 60
234 Asn Ala Cys Ile Gly Thr Ser Ile Cys Lys Lys Phe Phe Lys Glu
235 65 70 75
236 Glu Ile Arg Ser Asp Asn Trp Leu Ala Ser His Leu Gly Leu Pro
237 80 85 90
238 Pro Asp Ser Leu Leu Ser Tyr Pro Ala Asn Tyr Ser Asp Asp Ser
239 95 100 105
240 Lys Ile Trp Arg Pro Val Glu Ile Phe Arg Leu Val Ser Lys Tyr
241 110 115 120
242 Gln Asn Glu Ile Ser Asp Arg Arg Ile Cys Ala Ser Ala Ser Ala
243 125 130 135
244 Pro Lys Thr Cys Ser Ile Glu Arg Val Leu Arg Lys Thr Glu Arg
245 140 145 150
246 Phe Gln Lys Trp Leu Gln Ala Lys Arg Leu Thr Pro Asp Leu Val

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/965,528

DATE: 11/14/2001
TIME: 10:43:58

Input Set : A:\PTO.MH.BS.JM.txt
Output Set: N:\CRF3\11142001\I965528.raw

L:12 M:283 W: Missing Blank Line separator, <120> field identifier
L:13 M:283 W: Missing Blank Line separator, <130> field identifier
L:14 M:283 W: Missing Blank Line separator, <140> field identifier
L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:24 M:283 W: Missing Blank Line separator, <160> field identifier
L:26 M:283 W: Missing Blank Line separator, <210> field identifier
L:30 M:283 W: Missing Blank Line separator, <220> field identifier
L:33 M:283 W: Missing Blank Line separator, <400> field identifier
L:50 M:283 W: Missing Blank Line separator, <220> field identifier
L:53 M:283 W: Missing Blank Line separator, <400> field identifier
L:70 M:283 W: Missing Blank Line separator, <220> field identifier
L:73 M:283 W: Missing Blank Line separator, <400> field identifier
L:92 M:283 W: Missing Blank Line separator, <220> field identifier
L:95 M:283 W: Missing Blank Line separator, <400> field identifier
L:114 M:283 W: Missing Blank Line separator, <220> field identifier
L:117 M:283 W: Missing Blank Line separator, <400> field identifier
L:130 M:283 W: Missing Blank Line separator, <220> field identifier
L:133 M:283 W: Missing Blank Line separator, <400> field identifier
L:154 M:283 W: Missing Blank Line separator, <220> field identifier
L:157 M:283 W: Missing Blank Line separator, <400> field identifier
L:174 M:283 W: Missing Blank Line separator, <220> field identifier
L:177 M:283 W: Missing Blank Line separator, <400> field identifier
L:198 M:283 W: Missing Blank Line separator, <220> field identifier
L:201 M:283 W: Missing Blank Line separator, <400> field identifier
L:222 M:283 W: Missing Blank Line separator, <220> field identifier
L:225 M:283 W: Missing Blank Line separator, <400> field identifier
L:256 M:283 W: Missing Blank Line separator, <220> field identifier
L:259 M:283 W: Missing Blank Line separator, <400> field identifier
L:278 M:283 W: Missing Blank Line separator, <220> field identifier
L:281 M:283 W: Missing Blank Line separator, <400> field identifier
L:332 M:283 W: Missing Blank Line separator, <220> field identifier
L:335 M:283 W: Missing Blank Line separator, <400> field identifier
L:402 M:283 W: Missing Blank Line separator, <220> field identifier
L:405 M:283 W: Missing Blank Line separator, <400> field identifier
L:436 M:283 W: Missing Blank Line separator, <220> field identifier
L:439 M:283 W: Missing Blank Line separator, <400> field identifier
L:474 M:283 W: Missing Blank Line separator, <220> field identifier
L:477 M:283 W: Missing Blank Line separator, <400> field identifier
L:506 M:283 W: Missing Blank Line separator, <220> field identifier
L:509 M:283 W: Missing Blank Line separator, <400> field identifier
L:538 M:283 W: Missing Blank Line separator, <220> field identifier
L:541 M:283 W: Missing Blank Line separator, <400> field identifier
L:570 M:283 W: Missing Blank Line separator, <220> field identifier
L:573 M:283 W: Missing Blank Line separator, <400> field identifier
L:608 M:283 W: Missing Blank Line separator, <220> field identifier
L:611 M:283 W: Missing Blank Line separator, <400> field identifier
L:648 M:283 W: Missing Blank Line separator, <220> field identifier

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/965,528

DATE: 11/14/2001
TIME: 10:43:58

Input Set : A:\PTO.MH.BS.JM.txt
Output Set: N:\CRF3\11142001\I965528.raw

L:651 M:283 W: Missing Blank Line separator, <400> field identifier
L:722 M:283 W: Missing Blank Line separator, <220> field identifier
L:725 M:283 W: Missing Blank Line separator, <400> field identifier
L:748 M:283 W: Missing Blank Line separator, <220> field identifier
L:1655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:1657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54

11/14/01

STATISTICS SUMMARY
PATENT APPLICATION: US/09/965,528

DATE: 11/14/2001
TIME: 10:43:58

Input Set : A:\PTO.MH.BS.JM.txt
Output Set: N:\CRF3\11142001\I965528.raw

Application Serial Number: US/09/965,528

Alpha or Numeric: Numeric

Application Class:

Application File Date: 09-26-2001

Art Unit: OIPE

Software Application: Other

Total Number of Sequences: 55

Total Nucleotides: 30956

Total Amino Acids: 5045

Number of Errors: 0

Number of Warnings: 118

Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)

283 W: 116 (Missing Blank Line separator)

341 W: 2 ((46) "n" or "Xaa" used)